

Air Force Scientific Advisory Board

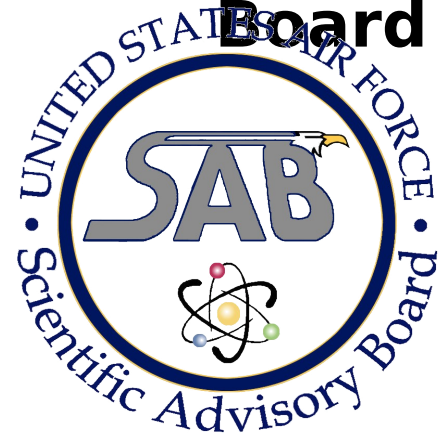
Integrity - Service - Excellence

SAB Study Selection Overview

**Dr. Daniel Hastings, Chairman
USAF Scientific Advisory
Board**



U.S. AIR FORCE





U.S. AIR FORCE

SAB Charter



- **Provide independent technical advice to the Leadership of the Air Force**
- **Conduct studies assigned by the Secretary and Chief of Staff**
- **Recommend applications of technology to improve Air Force capabilities**
- **Review Air Force science and technology programs**
- **Provide technical advice to Air Force commands and other activities as needed**

The SAB is a link between the Air Force and the Nation's technical community



U.S. AIR FORCE

Studies



Studies are the principal vehicle for providing technical advice to the Leadership of the Air Force

- **1 Major Study (“Summer Study”) per year**
 - Formal report and large briefing trail
 - 9 - 12 month effort
 - 20 - 40 members, plus many others as required
- **1 to 2 Ad Hoc Studies per year**
 - Formal report and varied briefing trail
 - 6 - 9 month effort
 - 10 - 20 members, plus others as required
- **1 to 3 “Quick Look” Studies per year**
 - Letter report and few briefings
 - 1 - 3 short meetings
 - Small group



U.S. AIR FORCE

Studies

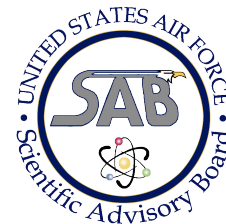


- **Science & Technology Quality Review**
 - **Assess the quality and long term relevance of the AF S&T Program**
 - **Reviews half of the Air Force Research Laboratory programs each year**
 - **Separate Review Panel for each AFRL Directorate**
 - **Each Directorate review about a week in length**
 - **Formal briefings to AFRL by Review Panels**
 - **Formal briefing to AFRL/CC, AFMC/CC, Chief & Secretary**



U.S. AIR FORCE

Recent Studies



FY	Summer	Ad Hoc	Quick Look's
04	<ul style="list-style-type: none">Networking to Enable Coalition Operations	<ul style="list-style-type: none">Operationalizing Space Launch	<ul style="list-style-type: none">Human Systems Integration
03	<ul style="list-style-type: none">Unmanned Aerial Vehicles in Perspective: Effects, Capabilities, and Technologies Study Committee	<ul style="list-style-type: none">CONOPS and Technology to Support Long-Range Strike Operations <i>Ad Hoc</i> Study CommitteeTechnology for Machine to Machine Integration <i>Ad Hoc</i> Study Committee	



U.S. AIR FORCE

Current Studies



Summer Study

Air Force Operations in Urban Environments

Ad Hoc Studies

Domain Integration

Quick Look

Automatic Target Recognition
System-of-Systems Engineering



U.S. AIR FORCE

New Study Selection



Purpose

- **Select the study topics for the coming year**

Process

- **Suggestions solicited from Air Force at-large**
- **Evaluation by senior SAB people**
- **Definition of Potential Studies**
- **Recommendation by Steering Committee**
- **Selection and Approval by Chief and Secretary**



U.S. AIR FORCE

New Study Selection



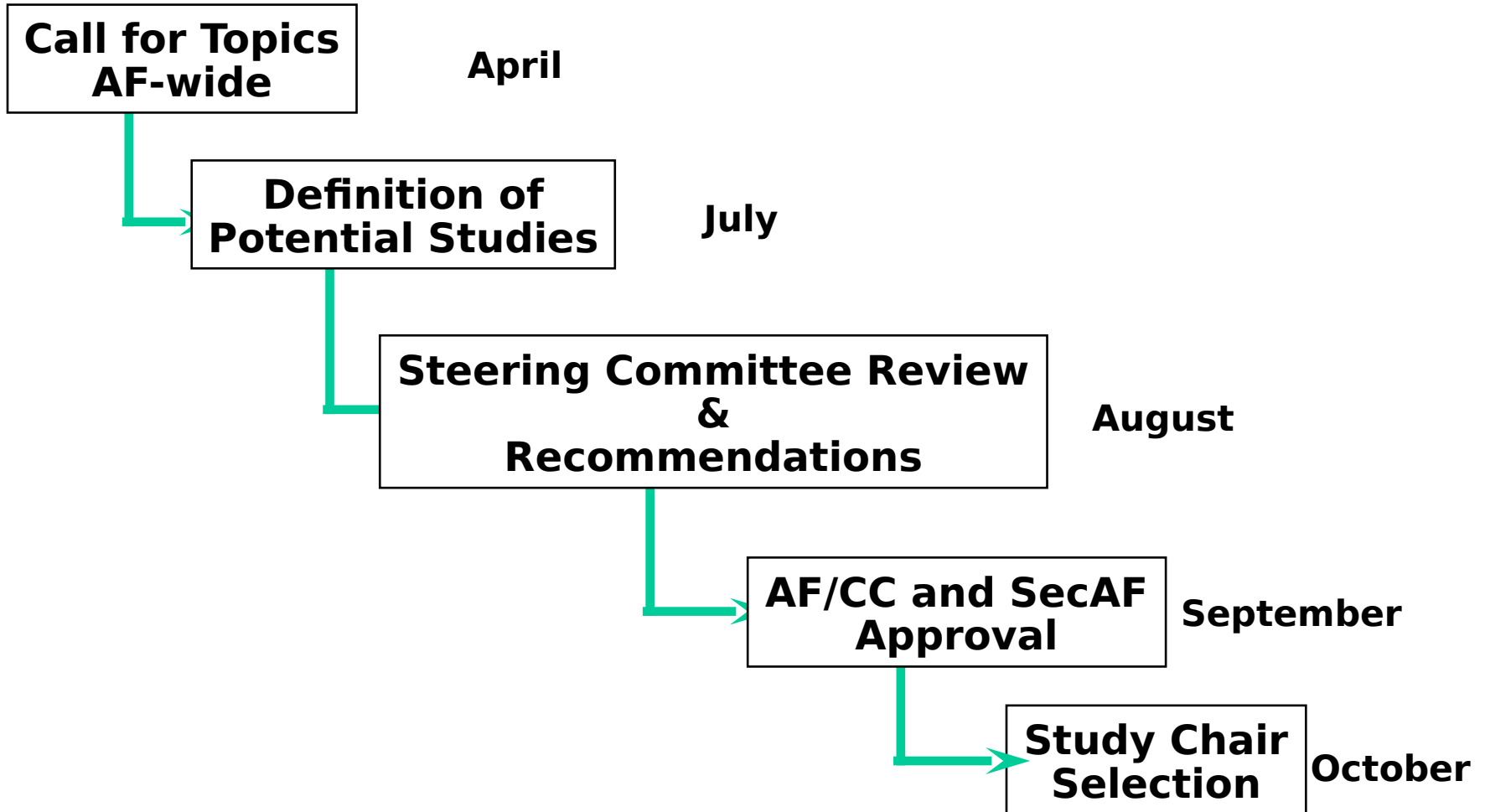
Factors Considered

- **Desires of the Leadership of the Air Force**
- **Value of the study to the Air Force**
- **Appropriateness for SAB**
 - **Results will be of interest to Senior Leadership of the AF**
 - **Technology is principal focus**
 - **Timeliness**
- **Ability of SAB to conduct the study**
 - **Have appropriate expertise in membership**
 - **Workload allows conduct of study**



U.S. AIR FORCE

Study Selection Process





U.S. AIR FORCE

Nominal Schedule



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Member Selection Process	↑						↑					
New Study Selection Process				↑					↑			
Current Studies Fact Finding	↑					↑						
Studies Outbriefs & Publication									↑			↑
S&T Quality Review (AFRL)									↑			↑
				↑		↑↑				↑		
				Spring		Summer				Fall		

SAB Board Meetings

Integrity - Service - Excellence



U.S. AIR FORCE

SAB Home



***Click here to go back to
the
SAB Home***